

**Apply the distributive property to produce an equivalent expression.****Answers**

- 1) $9b + 12$
- 2) $c + c + c + c + c$
- 3) $d + d + d + d + d + d + d$
- 4) $5 + 4e + 10 + 9e$
- 5) $9(5 + 7f)$
- 6) $3(4g + 2)$
- 7) $h + h + h + h + h + h + h$
- 8) $10(3 + 9i)$
- 9) $10(2 + 9j)$
- 10) $k + k + k + k + k + k + k + k$
- 11) $24 + 12m$
- 12) $n + n + n$
- 13) $8(7 + 8p)$
- 14) $7(10r + 10)$
- 15) $10t + 9 + 3 + 3t$
- 16) $27 + 21u$
- 17) $100 + 80v$
- 18) $w + w + w + w + w + w + w + w$
- 19) $2(8 + 8y)$
- 20) $10 + 8z$

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Apply the distributive property to produce an equivalent expression.

Answers

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|-------------------------------------|------------------------------------|
| 1) $9b + 12$ | 1. <u>$3(3b + 4)$</u> |
| 2) $c + c + c + c + c$ | 2. <u>$5c$</u> |
| 3) $d + d + d + d + d + d + d$ | 3. <u>$7d$</u> |
| 4) $5 + 4e + 10 + 9e$ | 4. <u>$13e + 15$</u> |
| 5) $9(5 + 7f)$ | 5. <u>$45 + 63f$</u> |
| 6) $3(4g + 2)$ | 6. <u>$12g + 6$</u> |
| 7) $h + h + h + h + h + h + h$ | 7. <u>$7h$</u> |
| 8) $10(3 + 9i)$ | 8. <u>$30 + 90i$</u> |
| 9) $10(2 + 9j)$ | 9. <u>$20 + 90j$</u> |
| 10) $k + k + k + k + k + k + k + k$ | 10. <u>$8k$</u> |
| 11) $24 + 12m$ | 11. <u>$12(2 + 1m)$</u> |
| 12) $n + n + n$ | 12. <u>$3n$</u> |
| 13) $8(7 + 8p)$ | 13. <u>$56 + 64p$</u> |
| 14) $7(10r + 10)$ | 14. <u>$70r + 70$</u> |
| 15) $10t + 9 + 3 + 3t$ | 15. <u>$13t + 12$</u> |
| 16) $27 + 21u$ | 16. <u>$3(9 + 7u)$</u> |
| 17) $100 + 80v$ | 17. <u>$20(5 + 4v)$</u> |
| 18) $w + w + w + w + w + w + w + w$ | 18. <u>$8w$</u> |
| 19) $2(8 + 8y)$ | 19. <u>$16 + 16y$</u> |
| 20) $10 + 8z$ | 20. <u>$2(5 + 4z)$</u> |